

APRIL/MAY 2023

**CSC41 — RELATIONAL DATABASE
MANAGEMENT SYSTEMS**

Time: Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is Database?
2. Define Data-Definition Language (DDL)
3. Write rename query.
4. What is the use of alter table command?
5. What is functional dependency?
6. Why do we need normalization?
7. Write the structure of block
8. Name the four different types of scalar data types.
9. What is Trigger?
10. List out the types of PL/SQL blocks.



SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain the Data Storage and querying.
Or
(b) Differentiate between primary key and a candidate key.
12. (a) Explain the components of an E-R Diagram.
Or
(b) Define SQL relation by using the create table command Explain in detail.
13. (a) Explain Boyce-Codd Normal Form.
Or
(b) Explain the Atomic Domains and First Normal Form.
14. (a) Explain File Organization.
Or
(b) Explain in detail about PL/SQL Block Structure.
15. (a) Explain Implicit Cursor Attributes.
Or
(b) Describe the Named block procedures.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss structure of relational databases.
17. Explain the join operations in detail.
18. Discuss Boyce- Code NORMAL FORM (BCNF)
19. Explain Control Structures in PL/SQL.
20. Explain Triggers in detail.
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